



JM-2050 Thermoplastic Acrylic Resin

(Technical Data Sheet)

【 Features 】

- High hardness
- Excellent compatibility
- Good anti-settling

【 Uses 】

- Cement Marking Paint
- Floor Coating
- Fire-Retardant Paint

【 Product Performance 】

Properties	Range	Method
Composition:	Acrylic Acid Copolymer	
Appearance:	Clear and Transparent Liquid (GB/T 1721)	
Color Value:	< 1# (Fe-Co)	(GB/T 1722)
Viscosity:	200~300 s/25℃	Tu-4 Cup (GB/T 7193)
Solid Content:	50±2%	(GB/T 1725)
Acid Value:	7~10mgKOH/g	(GB/T 6743)
TG point:	50℃	
Solvent:	Toluene/Xylene	

【 Thinner 】

Petroleum Solvent Oil	○	Methyl Ethyl Ketone	●
Toluene	●	Methyl Isobutyl Ketone	●
Xylene	●	PGMEA	●
Solvent Oil 150	○	Ethyl Acetate	●
Acetone	●	Butyl Acetate	●
●=Infinite Dilution		○=Limited Dilution	
○=Large Scale Dilution		○=Very limited	

【 Miscibility 】

AC1021G	●	AC10240	●
1/4NC Liquid	○	CAB381-0.5	○
●=Complete Miscibility		○=Partial or Limited Miscibility	

Note: The mixing ratio of 2050 to the above-mentioned resins is 1:1. When mixing with resins, additives, etc. from our company or other companies, please first test the resin Compatibility.

【 Reference Formula 】

White Cold-Applied Road Marking Paint	
2050	45.0
Chlorinated Rubber	5.0
422 Rosin	5.0
Plasticizer DOP	1.0
Titanium Dioxide	10.0
Ground Calcium Carbonate	10.0
Precipitated Barium Sulfate	8.0
Talc Powder	6.0
Organommodified Bentonite	1.0
Wetting and Dispersing Agent	0.5
BYK306	0.3①
Xylene	8.2
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	100

Thinner: Toluene/Xylene/Butyl Acetate/Ethyl Acetate/Ethylene Glycol Monobutyl Ether/Isobutanol
= 20 / 25 / 20 / 10 / 15 / 10

Paint Mixing Ratio: Colored Paint/Thinner = 1/0.6~0.8

Note: ①: Silicone Leveling Agent

【 Storage 】

The product is packed in sealed containers. It is recommended to store it at a temperature range of 0~40℃ in a cool place, protected from sunlight and rain, and away from sources of ignition. The shelf life of this product is 12 months from the date of production. When the temperature drops below 0℃ in winter, it should be protected from frost. Please conduct necessary tests before use.

【 Packaging 】

Net Weight: 190KG/Drum